aiwa

aiwa SERVICE

CSD-ED27

SERVICE MANUAL

COMPACT DISK STEREO RADIO
CASSETTE RECORDER

- BASIC TAPE MECHANISM : TN21ZVC-1812
- BASIC CD MECHANISM : KSM-213CDM
- TYPE: U<S>

SIMPLE MANUAL

- Replace this Service Manual with "Revision Publishing" when it is issued.

S/M Code No. 09–994–327–4T1

ELECTRICAL MAIN PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

USC .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
C 305	87-010-213-080		C-CAP,S 0.015-50 B	A
C 308	87-010-260-080		CAP, ELECT 47-25V	A
C 309	87-010-263-080		CAP, ELECT 100-10V	A
C 304	87-010-404-080		CAP, ELECT 4.7-50V	A
C 303	87-010-405-080		CAP, ELECT 10-50V	A
C 302	87-010-405-080		CAP, ELECT 10-50V	A
C 301	87-010-405-080		CAP, ELECT 10-50V	A
C 307	87-010-544-080		CAP, ELECT 0.1-50V	A
C 306	87-010-546-080		CAP, ELECT 0.33-50V	A
C 319	87-010-197-080		CAP, CHIP 0.01 DM	A
C 312	87-010-213-080		C-CAP,S 0.015-50 B	A
C 318	87-010-401-080		CAP, ELECT 1-50V	A
C 317	87-010-401-080		CAP, ELECT 1-50V	A
C 313	87-010-404-080		CAP, ELECT 4.7-50V	A
C 316	87-010-405-080		CAP, ELECT 10-50V	A
C 315	87-010-405-080		CAP, ELECT 10-50V	A
C 314	87-010-405-080		CAP, ELECT 10-50V	A
C 310	87-010-544-080		CAP, ELECT 0.1-50V	A
C 311	87-010-546-080		CAP, ELECT 0.33-50V	A
C 327	87-010-197-080		CAP, CHIP 0.01 DM	A
C 324	87-010-197-080		CAP, CHIP 0.01 DM	A
C 321	87-010-260-080		CAP, ELECT 47-25V	A
C 325	87-010-400-080		CAP, ELECT 0.47-50V	A
C 326	87-010-400-080		CAP, ELECT 0.47-50V	A
C 329	87-010-401-080		CAP, ELECT 1-50V	A
C 322	87-010-402-080		CAP, ELECT 2.2-50V	A
C 320	87-010-405-080		CAP, ELECT 10-50V	A
C 337	87-010-178-080		CHIP CAP 1000P	A
C 331	87-010-197-080		CAP, CHIP 0.01 DM	A
C 333	87-010-197-080		CAP, CHIP 0.01 DM	A
C 330	87-010-197-080		CAP, CHIP 0.01 DM	A
C 332	87-010-197-080		CAP, CHIP 0.01 DM	A
C 338	87-010-384-080		CAP, ELECT 100-25V	A
C 336	87-010-401-080		CAP, ELECT 1-50V	A
C 335	87-010-401-080		CAP, ELECT 1-50V	A
C 339	87-010-404-080		CAP, ELECT 4.7-50V	A
C 334	87-010-404-080		CAP, ELECT 4.7-50V	A
C 341	87-010-178-080		CHIP CAP 1000P	A
C 346	87-010-235-080		CAP,E 470-16 SME	A
C 348	87-010-235-080		CAP,E 470-16 SME	A
C 344	87-010-384-080		CAP, ELECT 100-25V	A
C 347	87-010-384-080		CAP, ELECT 100-25V	A
C 343	87-010-384-080		CAP, ELECT 100-25V	A
C 342	87-010-384-080		CAP, ELECT 100-25V	A
C 345	87-010-384-080		CAP, ELECT 100-25V	A
C 340	87-010-401-080		CAP, ELECT 1-50V	A
C 355	87-010-384-080		CAP, ELECT 100-25V	A
C 351	87-010-401-080		CAP, ELECT 1-50V	A
CN 320	87-049-469-010		CONN,4P V	A
CN 330	87-099-565-010		CONN,6P TUC-P4P-B1	A
D 301	87-A40-466-080		ZENER,MTZJ2.7A	A
IC 302	87-A20-946-040		C-IC,MM1434XF	A
IC 301	87-A21-111-040		C-IC,M62495FP	A
IC 303	87-A21-193-010		IC,TA8227P	A
J 301	87-009-216-010		JACK, DIA 3.5	A
Q 302	89-318-154-080		TR,2SC1815 (0.4W)	A
Q 301	89-318-154-080		TR,2SC1815 (0.4W)	A
S 301	87-A90-815-010		SW,PUSH 2-2-6 SPUN19-S-501	A
C 204	87-010-221-080		CAP, ELECT 470-10V	A
C 206	87-010-248-080		CAP, ELECT 220-10V	A
C 205	87-010-263-080		CAP, ELECT 100-10V	A
C 203	87-010-401-080		CAP, ELECT 1-50V	A
C 202	87-018-209-080		CAP, CER 0.1-50V	A
C 212	87-010-198-080		CAP, CHIP 0.022	A
C 210	87-010-198-080		CAP, CHIP 0.022	A
C 213	87-010-248-080		CAP, ELECT 220-10V	A
C 211	87-010-260-080		CAP, ELECT 47-25V	A
C 220	87-016-495-090		CAP,E 3300-25 SMG	A
C 232	87-010-263-080		CAP, ELECT 100-10V	A
C 231	87-010-404-080		CAP, ELECT 4.7-50V	A
C 230	87-010-405-080		CAP, ELECT 10-50V	A
C 233	87-018-134-080		CAPACITOR,TC-U 0.01-16	A
C 264	87-010-196-080		CHIP CAPACITOR,0.1-25	A
C 265	87-010-236-080		CAP,E 1000-10 SME	A
C 262	87-010-384-080		CAP, ELECT 100-25V	A
C 263	87-010-385-080		CAP, ELECT 220-25V	A
C 261	87-018-209-080		CAP, CER 0.1-50V	A
CN 210	87-049-919-010		CONN,3P EH V WHT	A
CN 220	87-049-469-010		CONN,4P V	A
CN 230	87-A60-915-010		CONN,16P H TSK-B16P-A1	A
CN 260	87-A60-914-010		CONN,5P H TSK-B05P-A1	A
D 204	87-017-148-080		ZENER,HZS6A1L	A
D 201	87-017-162-080		ZENER,HZS7C3L	A
D 206	87-070-345-080		DIODE,IN4148	A
D 202	87-070-345-080		DIODE,IN4148	A
D 205	87-070-345-080		DIODE,IN4148	A

ELECTRICAL MAIN PARTS LIST - 2

D	203	87-070-345-080	DIODE,IN4148	A
D	225	87-027-399-080	ZENER,HZ7A3L (200MA)	A
D	225	87-027-607-080	ZENER,HZ7B3L	
D	220	87-070-345-080	DIODE,IN4148	
D	222	87-070-345-080	DIODE,IN4148	A
D	221	87-070-345-080	DIODE,IN4148	
D	261	87-017-139-010	ZENER,HZS15-2	A
IC	260	87-070-416-010	IC,NJU7201 L55	A
Q	201	87-026-291-080	TR,DTC124XS	A
Q	204	89-113-184-080	TR,2SA1318T	A
Q	207	89-113-184-080	TR,2SA1318T	A
Q	202	89-213-702-010	TR,2SB1370 (1.8W)	A
Q	203	89-318-154-080	TR,2SC1815 (0.4W)	A
Q	205	89-318-154-080	TR,2SC1815 (0.4W)	A
Q	206	89-318-154-080	TR,2SC1815 (0.4W)	A
Q	211	87-026-463-080	TR,2SA933S (0.3W)	A
Q	210	89-112-965-080	TR,2SA1296 (0.75W)	A
Q	226	87-026-291-080	TR,DTC124XS	A
Q	223	87-026-291-080	TR,DTC124XS	
Q	222	87-026-463-080	TR,2SA933S (0.3W)	
Q	225	89-318-154-080	TR,2SC1815 (0.4W)	A
Q	260	89-320-011-080	TR,2SC2001 (15W)	A
Q	271	87-026-291-080	TR,DTC124XS	A
Q	270	89-112-965-080	TR,2SA1296 (0.75W)	A
R	290	87-029-124-090	RESISTOR, FUSE 1/4W 2.2	A
C	405	87-010-178-080	CHIP CAP 1000P	A
C	407	87-010-248-080	CAP, ELECT 220-10V	A
C	401	87-012-145-080	CAP, CHIP S 270P CH	A
C	411	87-010-177-080	C-CAP,S 820P-50 SL	A
C	419	87-010-177-080	C-CAP,S 820P-50 SL	A
C	412	87-010-260-080	CAP, ELECT 47-25V	A
C	417	87-010-384-080	CAP, ELECT 100-25V	A
C	418	87-010-402-080	CAP, ELECT 2.2-50V	A
C	410	87-010-402-080	CAP, ELECT 2.2-50V	A
C	416	87-010-404-080	CAP, ELECT 4.7-50V	A
C	415	87-010-406-080	CAP, ELECT 22-50	A
C	413	87-012-158-080	C-CAP,S 390P-50 CH	A
C	425	87-010-177-080	C-CAP,S 820P-50 SL	A
C	426	87-010-186-080	CAP,CHIP 4700P	A
C	424	87-010-194-080	CAP, CHIP 0.047	A
C	428	87-010-260-080	CAP, ELECT 47-25V	A
C	427	87-010-404-080	CAP, ELECT 4.7-50V	A
C	423	87-010-404-080	CAP, ELECT 4.7-50V	A
C	422	87-010-406-080	CAP, ELECT 22-50	A
C	429	87-012-153-080	C-CAP,S 120P-50 CH	A
C	420	87-012-158-080	C-CAP,S 390P-50 CH	A
C	433	87-010-177-080	C-CAP,S 820P-50 SL	A
C	434	87-010-186-080	CAP,CHIP 4700P	A
C	437	87-010-213-080	C-CAP,S 0.015-50 B	A
C	430	87-010-213-080	C-CAP,S 0.015-50 B	A
C	432	87-010-401-010	CAP, ELECT 1-50V	A
C	439	87-010-401-010	CAP, ELECT 1-50V	A
C	435	87-010-404-080	CAP, ELECT 4.7-50V	A
C	438	87-010-405-080	CAP, ELECT 10-50V	A
C	431	87-010-405-080	CAP, ELECT 10-50V	A
C	436	87-012-153-080	C-CAP,S 120P-50 CH	A
C	442	87-010-405-080	CAP, ELECT 10-50V	A
C	455	87-010-194-080	CAP, CHIP 0.047	A
CN	410	87-049-469-010	CONN,4P V	A
CN	420	87-009-030-010	CONNECTOR 2P PH M	A
D	408	87-070-345-080	DIODE,IN4148	A
D	406	87-070-345-080	DIODE,IN4148	A
D	407	87-070-345-080	DIODE,IN4148	A
D	405	87-070-345-080	DIODE,IN4148	A
D	402	87-070-345-080	DIODE,IN4148	A
D	403	87-070-345-080	DIODE,IN4148	A
D	411	87-070-345-080	DIODE,IN4148	A
D	410	87-070-345-080	DIODE,IN4148	A
IC	420	87-A21-145-040	C-IC,BA4560F-E2	A
IC	430	87-A21-145-040	C-IC,BA4560F-E2	A
L	401	87-007-342-010	COIL,OSC 85K BIAS	A
Q	408	87-026-462-080	TR,2SC1740 S(RS 0.3W)	A
Q	406	87-026-463-080	TR,2SA933S (0.3W)	A
Q	407	87-026-463-080	TR,2SA933S (0.3W)	A
Q	409	89-110-155-080	TR,2SA1015(0.4W)	A
Q	401	89-318-155-080	TR,2SC1815 (0.4W)	A
Q	403	89-318-155-080	TR,2SC1815 (0.4W)	A
Q	411	89-110-155-080	TR,2SA1015(0.4W)	A
Q	410	89-318-155-080	TR,2SC1815 (0.4W)	A
Q	421	87-026-496-080	FET,2SJ103GR	A
Q	420	87-026-496-080	FET,2SJ103GR	A
Q	433	89-110-155-080	TR,2SA1015(0.4W)	A
Q	432	89-110-155-080	TR,2SA1015(0.4W)	A
Q	430	89-328-786-080	TR,2SC2878B	A
Q	431	89-328-786-080	TR,2SC2878B	A
C	608	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	603	87-010-197-080	CAP, CHIP 0.01 DM	A
C	606	87-010-312-080	C-CAP,S 15P-50 CH	A
C	601	87-010-313-080	CAP, CHIP 18P	A
C	602	87-010-315-080	C-CAP,S 27P-50 CH	A
C	607	87-010-317-080	C-CAP,S 39P-50 CH	A
C	605	87-010-319-080	C-CAP,S 56P-50 CH	A
C	609	87-010-384-080	CAP, ELECT 100-25V	A

ELECTRICAL MAIN PARTS LIST - 3

C	610	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	613	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	611	87-010-385-080	CAP, ELECT 220-25V	A
C	614	87-010-400-080	CAP, ELECT 0.47-50V	A
C	615	87-010-401-080	CAP, ELECT 1-50V	A
C	612	87-010-402-080	CAP, ELECT 2.2-50V	A
C	623	87-010-197-080	CAP, CHIP 0.01 DM	A
C	621	87-010-197-080	CAP, CHIP 0.01 DM	A
C	651	87-010-405-080	CAP, ELECT 10-50V	A
CN	610	87-099-761-010	CONN,23P H 9604	A
CN	630	87-A60-076-010	CONN,12P H 9604S-12F	A
CN	660	87-A60-916-010	CONN,5P B TSK-B05X-A1	A
CN	670	87-A60-917-010	CONN,16P B TSK-B16X-A1	A
D	604	87-020-465-080	DIODE,1SS133 (110MA)	A
D	605	87-020-465-080	DIODE,1SS133 (110MA)	A
D	602	87-020-465-080	DIODE,1SS133 (110MA)	A
D	603	87-020-465-080	DIODE,1SS133 (110MA)	A
D	627	87-020-465-080	DIODE,1SS133 (110MA)	A
D	623	87-020-465-080	DIODE,1SS133 (110MA)	A
D	622	87-020-465-080	DIODE,1SS133 (110MA)	.
D	651	87-020-465-080	DIODE,1SS133 (110MA)	A
IC	601	8Z-CH4-636-010	IC,LC867132V-****	A
L	603	87-003-102-080	COIL, 10UH	A
L	601	87-003-102-080	COIL, 10UH	A
Q	604	87-026-237-080	CHIP-TR,DTC124XK	A
Q	602	87-026-237-080	CHIP-TR,DTC124XK	A
Q	603	87-026-463-080	TR,2SA933S (0.3W)	A
Q	651	87-026-239-080	TR,DTC114TK (0.2W)	A
Q	652	87-026-239-080	TR,DTC114TK (0.2W)	A
X	601	87-030-273-010	VIB,XTAL 32.768K5PPM	A
X	602	87-030-376-080	VIB,CER CSA5.76MG200	A
CN	620	87-099-761-010	CONN,23P H 9604	A
CN	640	87-A60-076-010	CONN,12P H 9604S-12F	A
D	643	87-A40-622-010	LED,L-34HDSL RED	A
D	645	87-A40-622-010	LED,L-34HDSL RED	A
D	646	87-A40-622-010	LED,L-34HDSL RED	A
D	644	87-A40-622-010	LED,L-34HDSL RED	A
D	642	87-A40-623-010	LED,L-34GDSL GRN	A
D	641	87-A40-623-010	LED,L-34GDSL GRN	A
LCD	601	8Z-CH4-635-010	LCD,HLC7365 ZCH-4	A
Q	611	87-026-464-080	TR,DTC114TS (0.3W)	A
Q	612	87-026-464-080	TR,DTC114TS (0.3W)	A
Q	624	87-026-239-080	TR,DTC114TK (0.2W)	A
Q	623	87-026-239-080	TR,DTC114TK (0.2W)	A
Q	625	87-026-239-080	TR,DTC114TK (0.2W)	A
S	608	87-A90-164-080	SW,TACT SKQAB(N)	A
S	607	87-A90-164-080	SW,TACT SKQAB(N)	A
S	606	87-A90-164-080	SW,TACT SKQAB(N)	A
S	601	87-A90-164-080	SW,TACT SKQAB(N)	A
S	609	87-A90-164-080	SW,TACT SKQAB(N)	A
S	604	87-A90-164-080	SW,TACT SKQAB(N)	A
S	605	87-A90-164-080	SW,TACT SKQAB(N)	A
S	613	87-A90-164-080	SW,TACT SKQAB(N)	A
S	610	87-A90-164-080	SW,TACT SKQAB(N)	A
S	621	87-A90-164-080	SW,TACT SKQAB(N)	A
S	620	87-A90-164-080	SW,TACT SKQAB(N)	A
C	509	87-010-197-080	CAP, CHIP 0.01 DM	A
C	501	87-010-197-080	CAP, CHIP 0.01 DM	A
C	504	87-010-197-080	CAP, CHIP 0.01 DM	A
C	503	87-010-221-080	CAP, ELECT 470-10V	A
C	502	87-010-221-080	CAP, ELECT 470-10V	A
C	507	87-018-209-080	CAP, CER 0.1-50V	A
C	506	87-018-209-080	CAP, CER 0.1-50V	A
C	508	87-A10-381-080	CAP,E 1000-10 RE	A
C	510	87-010-197-080	CAP, CHIP 0.01 DM	A
C	511	87-010-263-080	CAP, ELECT 100-10V	A
C	516	87-010-545-080	CAP, ELECT 0.22-50V	A
C	515	87-012-157-080	C-CAP,S 330P-50 CH	A
C	514	87-018-209-080	CAP, CER 0.1-50V	A
C	513	87-018-209-080	CAP, CER 0.1-50V	A
C	525	87-010-176-080	C-CAP,S 680P-50 SL	A
C	527	87-010-186-080	CAP,CHIP 4700P	A
C	529	87-010-545-080	CAP, ELECT 0.22-50V	A
C	528	87-012-156-080	C-CAP,S 220P-50 CH	A
C	536	87-010-158-080	C-CAP,S 22P-50 SL	A
C	533	87-010-184-080	CHIP CAPACITOR 3300P(K)	A
C	538	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	531	87-010-374-080	CAP, ELECT 47-10V	A
C	532	87-010-401-080	CAP, ELECT 1-50V	A
C	539	87-010-404-080	CAP, ELECT 4.7-50V	A
C	530	87-012-140-080	CAP 470P	A
C	540	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	545	87-010-197-080	CAP, CHIP 0.01 DM	A
C	549	87-010-198-080	CAP, CHIP 0.022	A
C	548	87-010-248-080	CAP, ELECT 220-10V	A
C	547	87-010-263-080	CAP, ELECT 100-10V	A
C	546	87-010-374-080	CAP, ELECT 47-10V	A
C	543	87-010-403-080	CAP, ELECT 3.3-50V	A
C	541	87-010-405-080	CAP, ELECT 10-50V	A
C	551	87-010-178-080	CHIP CAP 1000P	A
C	557	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	556	87-010-197-080	CAP, CHIP 0.01 DM	A
C	552	87-010-197-080	CAP, CHIP 0.01 DM	A

C	558	87-010-197-080	CAP, CHIP 0.01 DM	A
C	553	87-010-248-080	CAP, ELECT 220-10V	A
C	554	87-010-263-080	CAP, ELECT 100-10V	A
C	559	87-010-315-080	C-CAP,S 27P-50 CH	A
C	550	87-010-374-080	CAP, ELECT 47-10V	A
C	555	87-010-403-080	CAP, ELECT 3.3-50V	A
C	562	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	561	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	566	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	565	87-010-263-080	CAP, ELECT 100-10V	A
C	560	87-010-263-080	CAP, ELECT 100-10V	A
C	569	87-010-404-080	CAP, ELECT 4.7-50V	A
C	563	87-012-156-080	C-CAP,S 220P-50 CH	A
C	564	87-018-121-080	CAP, CER 150P-50V	A
C	567	87-018-127-080	CAP, CER 470P-50V	A
C	572	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	573	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	571	87-010-248-080	CAP, ELECT 220-10V	A
C	579	87-010-263-080	CAP, ELECT 100-10V	A
C	575	87-010-312-080	C-CAP,S 15P-50 CH	A
C	576	87-010-312-080	C-CAP,S 15P-50 CH	A
C	574	87-018-134-080	CAPACITOR,TC-U 0.01-16	A
C	578	87-018-209-080	CAP, CER 0.1-50V	A
C	582	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	589	87-010-322-080	C-CAP,S 100P-50 CH	A
C	581	87-010-322-080	C-CAP,S 100P-50 CH	A
C	587	87-010-322-080	C-CAP,S 100P-50 CH	A
C	583	87-010-405-080	CAP, ELECT 10-50V	A
C	585	87-010-405-080	CAP, ELECT 10-50V	A
C	580	87-012-153-080	C-CAP,S 120P-50 CH	A
C	586	87-012-156-080	C-CAP,S 220P-50 CH	A
C	584	87-012-156-080	C-CAP,S 220P-50 CH	A
C	593	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	591	87-010-322-080	C-CAP,S 100P-50 CH	A
C	592	87-010-322-080	C-CAP,S 100P-50 CH	A
C	590	87-010-322-080	C-CAP,S 100P-50 CH	A
CN	510	87-099-554-010	CONN,6P TUC-P6X-B1	A
CN	520	87-A60-424-010	CONN,16P V TOC-B	A
CN	550	87-009-030-010	CONNECTOR 2P PH M	A
D	502	87-070-345-080	DIODE,IN4148	A
D	503	87-070-345-080	DIODE,IN4148	A
D	501	87-070-345-080	DIODE,IN4148	A
D	504	87-070-345-080	DIODE,IN4148	A
D	505	87-070-345-080	DIODE,IN4148	A
D	511	87-070-345-080	DIODE,IN4148	A
D	510	87-070-345-080	DIODE,IN4148	A
IC	501	87-A20-446-010	C-IC,LA9241ML	A
IC	502	87-A20-459-010	C-IC,LC78622ED	A
IC	503	87-A20-856-010	IC,BA6898S	A
L	501	87-003-102-080	COIL, 10UH	A
L	504	87-005-847-080	COIL,2.2UH(CECS)	A
L	502	87-008-372-010	FILTER, EMI BL OIRNI	A
L	505	87-008-372-010	FILTER, EMI BL OIRNI	A
Q	502	87-026-291-080	TR,DTC124XS	A
Q	504	87-026-463-080	TR,2SA933S (0.3W)	A
Q	501	89-112-965-080	TR,2SA1296 (0.75W)	A
Q	503	89-113-184-080	TR,2SA1318T	A
SFR	501	87-024-176-080	SEMI-FIXED RESISTOR, 100K	A
X	501	81-592-641-080	CERALOCK 16.93MHZ	A
C	904	87-A11-132-080	CAP,TC U 0.01-50 K B	A
C	903	87-A11-132-080	CAP,TC U 0.01-50 K B	A
C	902	87-A11-132-080	CAP,TC U 0.01-50 K B	A
C	901	87-A11-132-080	CAP,TC U 0.01-50 K B	A
CN	910	87-049-919-010	CONN,3P EH V WHT	A
D	901	87-A40-465-090	DIODE,FR202	A
D	902	87-A40-465-090	DIODE,FR202	A
D	904	87-A40-465-090	DIODE,FR202	A
D	903	87-A40-465-090	DIODE,FR202	A
F	901	87-A90-092-080	PROTECTOR,2.5A 491	
C	5	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	6	87-010-312-080	C-CAP,S 15P-50 CH	
C	6	87-010-313-080	CAP, CHIP 18P	A
C	3	87-010-314-080	C-CAP,S 22P-50V	A
C	1	87-010-314-080	C-CAP,S 22P-50V	A
C	2	87-010-316-080	C-CAP,S 33P-50 CH	A
C	8	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	7	87-014-049-080	CAP,PP 470P-100 J	A
C	5	87-A11-067-080	C-CAP,S 1-10 K B	
C	19	87-010-112-080	CAP, ELECT 100-16V	A
C	13	87-010-150-080	C-CAP,S 6P-50 CH	A
C	12	87-010-197-080	CAP, CHIP 0.01 DM	A
C	10	87-010-197-080	CAP, CHIP 0.01 DM	A
C	11	87-010-197-080	CAP, CHIP 0.01 DM	A
C	17	87-010-198-080	CAP, CHIP 0.022	A
C	14	87-010-303-080	C-CAP,S 330P-50CH	A
C	16	87-010-380-080	CAP, ELECT 47-16V	A
C	15	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	18	87-015-819-080	CAPACITOR,0.01	A
C	21	87-010-197-080	CAP, CHIP 0.01 DM	A
C	22	87-010-197-080	CAP, CHIP 0.01 DM	A
C	24	87-010-303-080	C-CAP,S 330P-50CH	A
C	20	87-010-404-080	CAP, ELECT 4.7-50V	A
C	25	87-016-460-080	C-CAP,S 0.22-16 B	A

ELECTRICAL MAIN PARTS LIST - 5

C	28	87-016-669-080	C-CAP,S 0.1-25 K B	A
C	29	87-016-669-080	C-CAP,S 0.1-25 K B	A
C	27	87-A11-067-080	C-CAP,S 1-10 K B	A
C	36	87-010-112-080	CAP, ELECT 100-16V	A
C	37	87-010-197-080	CAP, CHIP 0.01 DM	A
C	30	87-010-198-080	CAP, CHIP 0.022	A
C	31	87-010-198-080	CAP, CHIP 0.022	A
C	31	87-010-213-080	C-CAP,S 0.015-50 B	
C	30	87-010-213-080	C-CAP,S 0.015-50 B	
C	38	87-010-380-080	CAP, ELECT 47-16V	A
C	33	87-010-401-080	CAP, ELECT 1-50V	A
C	34	87-010-401-080	CAP, ELECT 1-50V	A
C	39	87-010-404-080	CAP, ELECT 4.7-50V	A
C	35	87-015-819-080	CAPACITOR,0.01	A
C	46	87-010-197-080	CAP, CHIP 0.01 DM	A
C	47	87-010-197-080	CAP, CHIP 0.01 DM	A
C	40	87-010-197-080	CAP, CHIP 0.01 DM	A
C	48	87-010-197-080	CAP, CHIP 0.01 DM	A
C	44	87-010-311-080	CAP 12P	A
C	45	87-010-312-080	C-CAP,S 15P-50 CH	A
C	49	87-012-156-080	C-CAP,S 220P-50 CH	A
C	41	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	43	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	42	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	50	87-010-197-080	CAP, CHIP 0.01 DM	A
C	53	87-010-197-080	CAP, CHIP 0.01 DM	
C	55	87-010-197-080	CAP, CHIP 0.01 DM	
C	52	87-010-197-080	CAP, CHIP 0.01 DM	
C	51	87-010-316-080	C-CAP,S 33P-50 CH	
C	54	87-014-055-080	CAP,PP 820P-100 J	
C	73	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	72	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	71	87-015-819-080	CAPACITOR,0.01	A
C	78	87-018-209-080	CAP, CER 0.1-50V	
CF	3	82-785-747-080	CF,MS2 GHY,R	A
CF	2	82-785-747-080	CF,MS2 GHY,R	A
CF	1	87-A91-094-010	FLTR,CDA10.7 MG80A	A
D	6	87-017-072-080	ZENER,HZS3B1	A
D	1	87-020-465-080	DIODE,1SS133 (110MA)	A
D	2	87-020-465-080	DIODE,1SS133 (110MA)	A
D	5	87-A40-615-070	VARI-CAP,KV1311NT	A
D	4	87-A40-615-070	VARI-CAP,KV1311NT	A
D	3	87-A40-616-070	VARI-CAP,SVC384(S/T)	A
IC	1	87-A21-184-010	IC,TA2104AN	A
IC	2	87-A21-185-040	C-IC,LC72121M	A
L	8	87-005-849-080	COIL,10UH(CECS)	A
L	9	87-005-849-080	COIL,10UH(CECS)	A
L	2	87-A50-347-010	COIL,FM BPF EX	A
L	4	87-A50-420-010	COIL,MW OSC(SYN)	A
L	5	87-A50-424-010	COIL,FM RF EX(SYN)	A
L	6	87-A50-427-010	COIL,FM OSC EX(SYN)	
L	6	87-A50-454-010	COIL,FM OSC U(SYN)	A
L	3	87-A91-095-010	BAR-ANT,MW FOR 2B(SYN)	A
L	3	87-A91-096-010	BAR-ANT,MW/LW FOR 3B(SYN)	
L	7	87-A91-308-010	FLTR,PCFAZH- 450T (TOK)	A
L	51	87-A50-421-010	COIL,LW OSC(SYN)	
Q	1	89-319-233-080	TR,2SC1923 (0.1W)	A
Q	54	87-026-214-080	TR,DTA114YS (0.3W)	
Q	52	87-026-447-080	TR,2SC1740S R	
Q	51	87-A30-092-080	FET,2SK439E/F	
Q	53	89-320-011-080	TR,2SC2001 (15W)	
Q	72	87-026-215-080	TR,DTC114YS	A
Q	71	87-026-447-080	TR,2SC1740S R	A
TC	1	87-011-220-080	TRIMMER CAP 20P VTC	A
TC	51	87-011-233-080	TRIMER,50P VCT54	
X	1	87-A70-061-010	VIB,XTAL 4.500MHZ CSA-309	A

ACCESSORIES LIST

NOTE: The characters in the suffix column indicate the part usage.

USC .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8Z-CHB-925-010	IB,U(ESF)FM		A
	87-A80-109-010	AC CORD,HK7281 BLK U		A

MECHANICAL PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

USC .....XX.....A.....

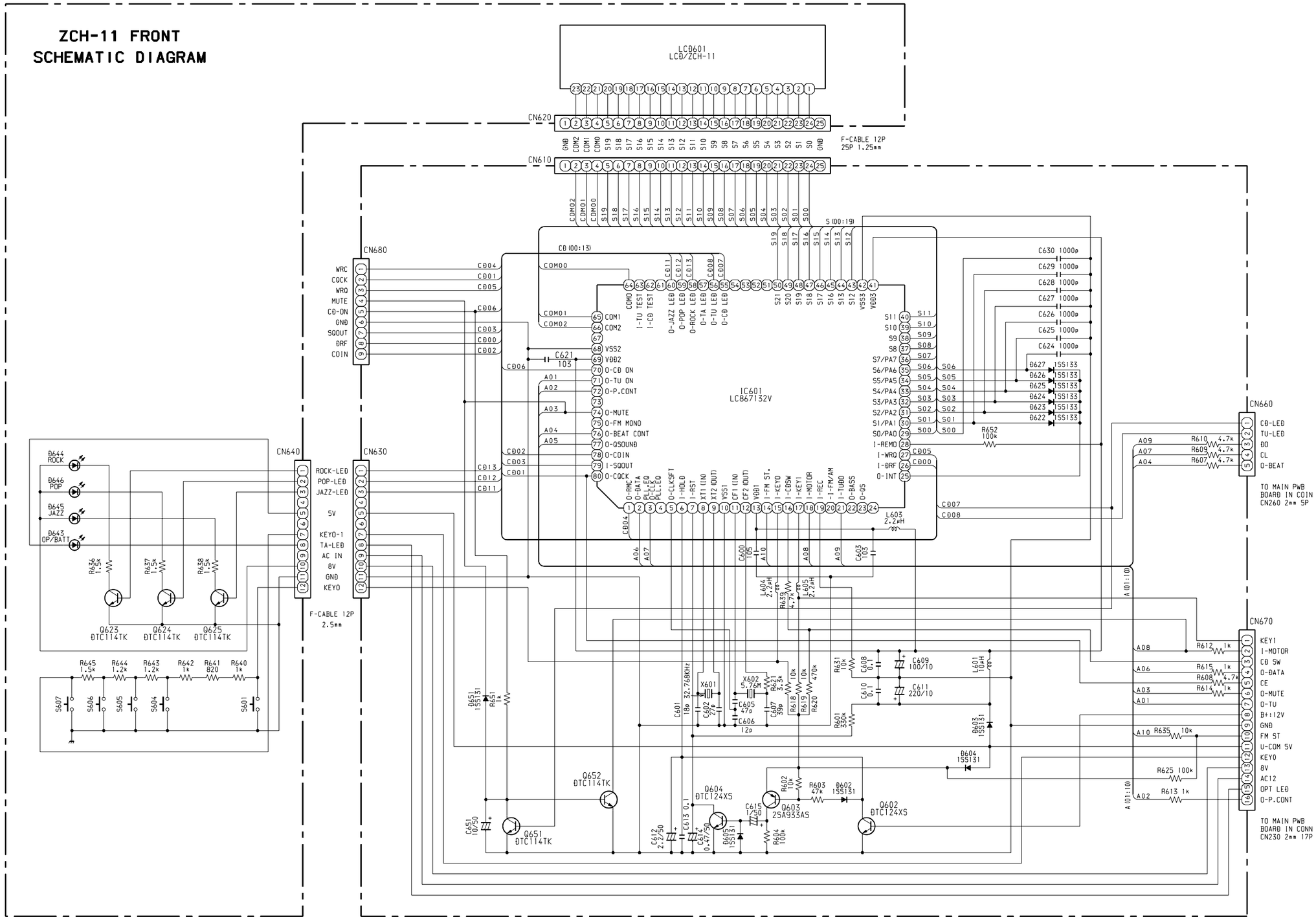
REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	84-CD8-083-010		BADGE,AIWA 30.5-5.2 2.5LEAD	A
	88-CH6-019-010		PANEL,CD	A
	8Z-CDB-007-010		LID,BATT	A
	8Z-CDB-008-010		WINDOW,CASS	A
	8Z-CDB-009-010		WINDOW,CD	A
	8Z-CDB-012-010		GRILLE,SPKR L	A
	8Z-CDB-013-010		GRILLE,SPKR R	A
	8Z-CDB-014-010		ARM,MAIN HANDL	A
	8Z-CDB-015-010		COVER, HANDLE	A
	8Z-CDB-037-010		LENS,LED	A
	8Z-CDB-043-010		LID,CD(U)	A
	8Z-CDB-044-010		LID,CASS(U)	A
	8Z-CDB-047-010		CHAS,CD(U)	A
	8Z-CDB-048-010		KEY,FUNCT(U)	A
	8Z-CHB-006-010		WINDOW,LCD(U)	A
	8Z-CHB-015-010		CABI,REAR(U)	A
	8Z-CHB-016-010		PANEL,FRONT(U)	A
	8Z-CHB-030-010		LID,CD	A
	8Z-CDB-016-010		KEY,VOL	A
	8Z-CDB-018-010		KEY,CASS REC	A
	8Z-CDB-019-010		KEY,CASS PAUSE	A
	8Z-CDB-020-010		KEY,CASS PLAY	A
	8Z-CDB-021-010		KEY,CASS STOP	A
	8Z-CDB-022-010		KEY,CASS FF	A
	8Z-CDB-023-010		KEY,CASS REW	A
	8Z-CDB-024-010		KEY,Q-SOUND	A
	8Z-CDB-025-010		KEY,EQ	A
	8Z-CDB-026-010		KEY,CD A	A
	8Z-CDB-027-010		KEY,CD B	A
	82-CD8-212-010		SPR-T,CAM CD	A
	84-CD5-215-010		GEAR	A
	84-CD5-216-010		BRACKET	A
	84-CT5-209-010		PLATE,MAGNET	A
	87-036-368-010		MAGNET	A
	87-CD7-206-010		DOOR,CD LOCKER	A
	87-CD7-207-010		HLDR,LOCKER	A
	88-CD8-209-010		SPR-C,BATT	A
	88-CD8-222-010		SPR-P,DAMP CD	A
	88-CD9-207-010		COVER, AC SOCKET	A
	88-CD9-210-010		BASE,CHUCK	A
	88-CD9-211-010		RING,CHUCK	A
	88-CT6-206-010		CUSHION,CD	A
	8Z-CD8-215-010		HLDR,BAR ANT	A
	8Z-CDB-204-010		HLDR,KEY FUNC	A
	8Z-CDB-208-010		HLDR,SPKR	A
	8Z-CDB-210-010		SPR-T,LID CASS	A
	8Z-CDB-211-010		SPR-T,LID CD	A
	8Z-CDB-212-010		HLDR,PWB	A
	8Z-CDB-215-010		HLDR,LID CD	A
	8Z-CDB-222-010		PLATE,FM	A
	8Z-CHB-207-010		HLDR,LCD	A
	87-251-091-410		U+3-3	A
	87-261-032-410		V+2-3 GLD	A
	87-261-096-410		SCREW,V+3-10 GLD	A
	87-651-035-410		VT1 2-6 GLD	A
	87-661-096-410		SCREW,VFT1+3-10	A
	87-741-074-410		UT2+2.6-8	A
	87-741-096-410		UT2+3-10	A
	87-741-102-410		UT2+3-20	A
	87-745-094-410		UT2+3-6	A
	87-751-034-410		SCREW VT2+2-5	A
	87-B10-102-010		UT2+3-15 W/O	A
	81-590-677-010		SWITCH LEAF	A
	87-043-116-010		ANT,WHIP	A
	87-A60-177-010		JACK,AC U W/SW	A
	8Z-CDB-620-010		PT,U	A
	8Z-CHB-619-010		FF-CABLE, 12P 1.25 140MM FRONT	A
	8Z-CHB-620-010		FF-CABLE, 23P 1.25 140MM DISP	A
	8Z-CHB-622-010		FF-CABLE, 16P 1.0 150MM CD-RF	A
	8Z-CHB-625-010		WIRE ASSY,260 26 FM-ANT	A
CNA 680	8Z-CHB-621-010		CONN ASSY,9P CD	A
SP 2	88-CD8-622-010		SPKR,F 77 7OHM 3W	A
SP 1	88-CD8-622-010		SPKR,F 77 7OHM 3W	A

ZCH-11 EQ AMP SCHEMATIC DIAGRAM

	Ð.U	EXCEPT Ð.U
*1	2.2K	4.7K
*2	HZ7A3L	HZ7B3L
*3	MOUNT	NO MOUNT
*4	NO MOUNT	MOUNT

	+5
U	JUMPER WIRE
EXCEPT U	PROTECTOR 2.5A 491 SERIES 60

ZCH-11 FRONT
SCHEMATIC DIAGRAM

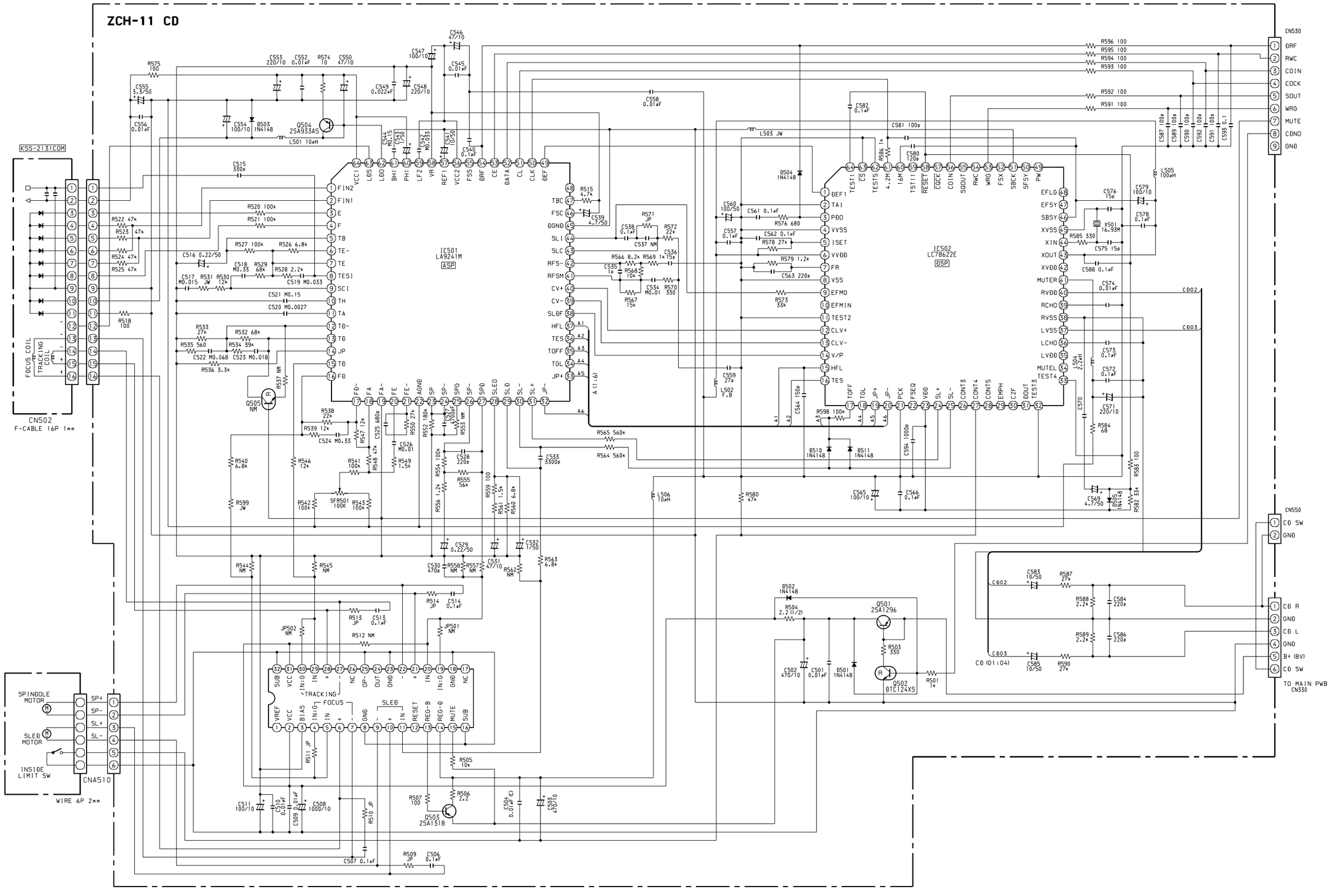


KEY NAME

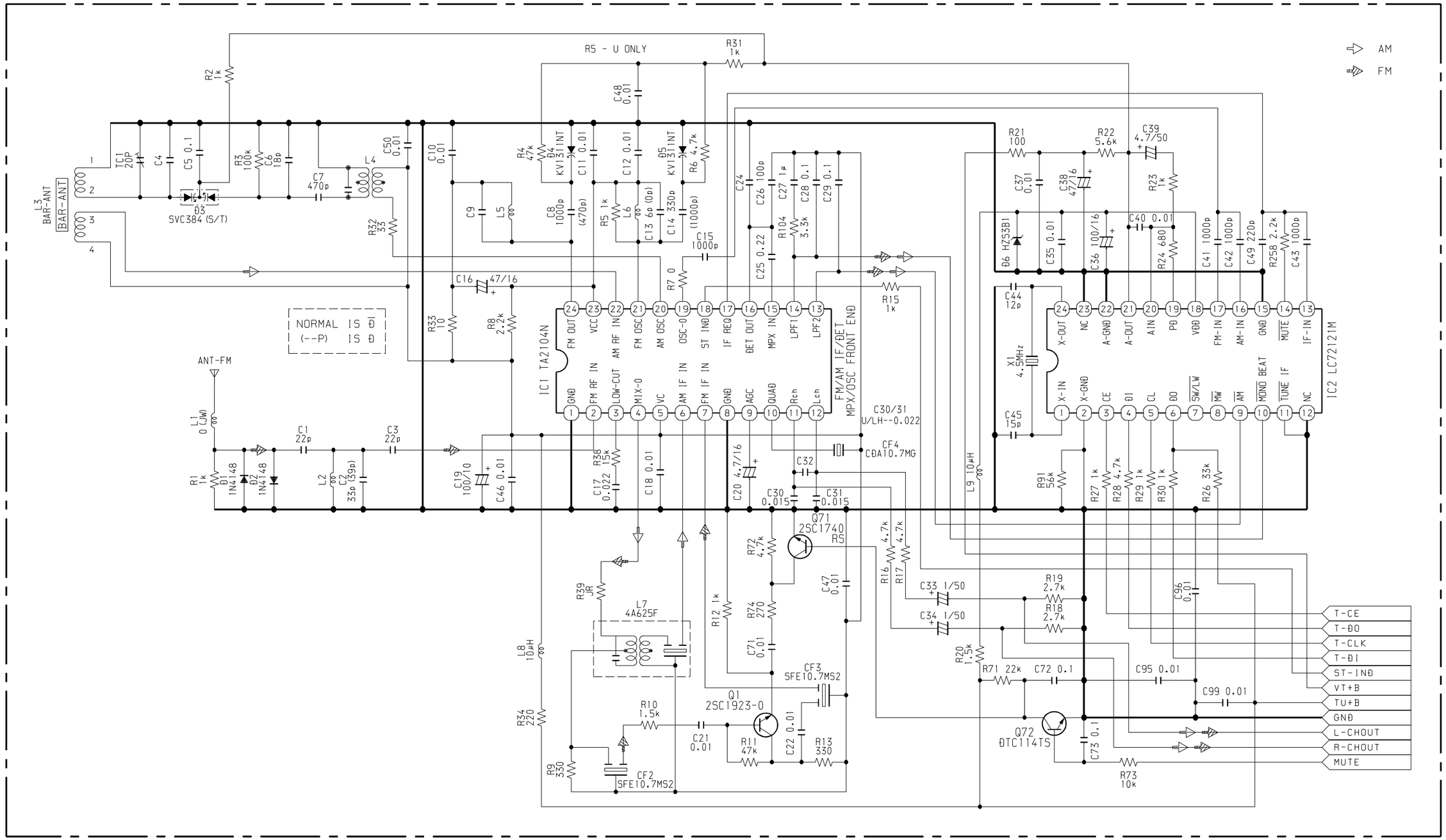
S601	TU MODE/REPEAT	S608	CD
S602	KEY OFF	S609	TUNER/BAND
S603	HIGH-DUBBING	S610	TAPE.STANDBY
S604	STOP/MEMO	S611	Q-SOUND
S605	F-SKIP.SEARCH/UP	S612	T-BASS
S606	B-SKIP.SEARCH/DOWN	S613	3-GEQ
S607	PLAY.PAUSE	S614	

TUNER OPTION

	TU EZ K	TU U LH	TU Ð	TU V	TU HE	TU HR		PORT/NO
Ð621:SW1	×	×	×	×	×	×		SEG0/PA0:#29
Ð622:LW	○	×	×	○	×	×		SEG1/PA1:#30
Ð623:MW, 10K	×	○	×	×	×	×		SEG2/PA2:#31
Ð624:FM WIDE	×	×	○	×	×	×		SEG3/PA3:#32
Ð625:OIRT	×	×	×	○	×	×		SEG4/PA4:#33
Ð626:SW2	×	×	×	×	○	×		SEG5/PA5:#34
Ð627:ZCH	○	○	○	○	○	○		SEG6/PA6:#35


ZCH-11 CD
IC501 LA9241M ASP
IC502 LC78622E DSP
CN502 F-CABLE 16P 1mm
CN510 WIRE 6P 2mm
CN530
CN550
TO MAIN PWB CN330
KSS-213ICOM
FOCUS COIL
TRACKING COIL
SPINDOLE MOTOR
SLED MOTOR
INSIDE LIMIT SW
TRACKING
FOCUS
SLED

SCHEMATIC DIAGRAM – 4



サービス技術ニュース	
番号	連絡内容
G一　　一	
G一　　一	
G一　　一	

アイワ株式会社
AIWA CO.,LTD.

〒110-8710 東京都台東区池之端1-2-11 ☎03（3827）3111（代表）

931196

Tokyo Japan

Printed in Singapore